

METHOD OF CHANGING A FREQUENCY BAND OF A WIRELESS COMMUNICATION DEVICE ACCORDING TO IDENTITY OF A DETACHABLE COVER

Abstract

A wireless communication device includes an inner housing and a cover detachably installed on the inner housing, the cover containing an ID module for identifying the cover. A multi-band transceiver is disposed on the inner housing for processing transmitted and received wireless signals in one of a plurality of frequency bands. A detection circuit is disposed on the inner housing for communicating with the ID module of the cover and determining identification of the cover. The wireless communication device also contains a memory electrically connected to the multi-band transceiver and a database stored in the memory for providing a frequency band identifier to the multi-band transceiver according to the identification of the cover provided by the detection circuit for changing the frequency band of the multi-band transceiver.